



TECHNICAL DATA SHEET

CA45

Description ULTRABOND CA45 is a medium viscosity, medium setting velocity Ethyl Cyanoacrylate adhesive. Long shelf life, filling in aluminum tubes, special for consumer market.

Application Ideal for bonding plastics, rubber, metal

Full Cure Speed

Plastic	:	8 - 10 seconds
Rubber	:	5 - 6 seconds
Metal	:	16 - 20 seconds
Wood	:	10 - 12 seconds

(22°C, 50% relative humidity ASTM D1002, 0.1 N/mm² tensile shear strength)

General Properties

Uncured monomer

Main Component	Ethyl Cyanoacrylate
Appearance	Clear Liquid
Specific gravity, 25°C	1.05
Viscosity 25°C (CPS)	50 CPS
Brookfield LV	
Spindle 2 @ 30 rpm	
Flash point	>82°C
Shelf life (20°C) months	6
Storage	Under 10°C

(Stored in cool & dry place, unopened bottle & out of direct sunlight)

Cured Adhesive

Gap Filling	0.06 mm
Tensile Strength	25 ~ 30 N/mm ²
steel - steel ASTM D-2095	
Tensile shear Strength	15 ~ 26 N/mm ²
steel/steel ASTM D-1002	
Service Temperature Range	- 55 ~ 82°C
Full cure time	24 hours



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Safety Direction

Danger, irritant

Avoid contact with eyes and skin, bonds skin in seconds. In case of eye contact, flush with plenty water for over 15 minutes and call a physician immediately. Use in well-ventilated place. Avoid contact clothing; it can cause very strong heat.

Application Direction

- ◆ The surfaces to be bonded should be clean and free of grease completely.
- ◆ ULTRABOND CD-1 debonder or acetone can treat excess Adhesive.
- ◆ If setting time is too long due to large gaps or low relative humidity. ULTRABOND CS-1 Setter can be used.
- ◆ If the porosity of surface is higher, higher viscosity type should be better.
- ◆ Difficult to bond plastics, like PE, PP, Silicone Rubber, ABS, TPR, EPDM's Adhesion, ULTRABOND CP-1 Primer should be applied firstly, then applied ULTRABOND super glue.